

In the Claims

1-24 (canceled).

25 (presently amended). A method of screening a plurality of different *Paenibacillus* isolates for an ability to enhance activity of a toxin complex toxin protein selected from the group consisting of TcbA, TcdA, XptA1, and XptA2 ~~toxin activity against an insect selected from the group consisting of a lepidopteran insect and a rootworm insect~~, said method comprising obtaining protein polypeptide samples from said isolates and assaying said ~~protein~~ samples for said activity.

26 (presently amended). The method of claim 25, said method comprising feeding said ~~protein samples to a plurality of said insects and observing said insects for effects of a toxin~~ polypeptide samples and said protein to test insects for ingestion, feeding said protein to control insects for ingestion, and observing said test insects for increased inhibition as compared to said control insects.

27 (canceled).

28 (presently amended). The method of claim 25 ~~A method of screening a plurality of different *Paenibacillus* isolates for toxin activity against an insect selected from the group consisting of a lepidopteran insect and a rootworm insect~~, said method comprising growing said isolates in liquid media to produce liquid cultures, obtaining culture broths produced by said isolates and assaying said broths for said activity.

29 (canceled).

30 (previously presented). The method of claim 25, said method further comprising creating a library of clones from at least one of said isolates and assaying at least one of said clones for said activity.

31-32 (canceled).

33 (presently amended). The method of claim 25, said method further comprising assaying at least one of said ~~protein~~ samples for molecular weight of proteins in said sample.

34 (presently amended). The method of claim 25 wherein said ~~protein~~ samples are cell pellets obtained from said isolates.

35 (presently amended). The method of claim 25 wherein said ~~protein~~ samples are purified polypeptides~~comprise purified protein~~.

36 (presently amended). The method of claim 26 wherein said feeding comprises providing said ~~protein~~ samples in nutrient agar to said insects.

37 (presently amended). The method of claim 26 wherein said feeding comprises providing said ~~protein~~ samples to said insects on nutrient agar plates.

38 (presently amended). The method of claim 26 wherein said feeding comprises incorporating said ~~protein~~ samples into artificial diet in wells of a plate.

39 (previously presented). The method of claim 38 wherein said insects are larvae.

40 (previously presented). The method of claim 25 wherein said insect is a lepidopteran insect.

41 (presently amended). The method of claim 40 ~~25~~ wherein said insect is ~~a corn rootworm~~ selected from the group consisting of *Heliothis virescens* and *Heliothis zea*.

42 (new). A method of screening polypeptides for an ability to enhance insecticidal activity of a toxin complex toxin protein, wherein said polypeptides are from a *Paenibacillus* isolate, wherein said protein is selected from the group consisting of a TcbA protein, a TcdA protein, an XptA1 protein, and an XptA2 protein, and wherein said method comprises providing said polypeptides and said protein to test insects for ingestion, providing said protein to control insects for ingestion, and observing said test insects for increased inhibition as compared to said control insects.

43 (new). The method of claim 42 wherein said method comprises producing a liquid culture of said isolate, obtaining a liquid culture sample from said liquid culture, wherein said polypeptides are in said liquid culture sample, and providing said liquid culture sample to said test insects.

44 (new). The method of claim 43 further comprising isolating an approximately 112 kDa polypeptide sample from said liquid culture sample.

45 (new). The method of claim 43 further comprising isolating an approximately 170 kDa polypeptide sample from said liquid culture sample.

46 (new). The method of claim 43 wherein said method further comprises screening said isolate for positive hybridization with a tccC probe.

47 (new). The method of claim 43 wherein said method further comprises screening said isolate for positive hybridization with a tcaC probe.

48 (new). The method of claim 43 wherein said method further comprises screening said sample for a TccC polypeptide.

49 (new). The method of claim 43 wherein said method further comprises screening said sample for a TcaC polypeptide.

50 (new). The method of claim 43 wherein said polypeptides are produced by a clone comprising a polynucleotide from said isolate wherein said polynucleotide encodes said polypeptides.

51 (new). The method of claim 50 wherein said method comprises growing said clone in a liquid medium to produce a liquid culture, obtaining a liquid culture sample from said liquid culture, wherein said polypeptides are in said liquid culture sample, and providing said liquid culture sample to said test insects.